# Subject Description Form

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>SO504</th>
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<tbody>
<tr>
<td>Subject Title</td>
<td>Vision Rehabilitation</td>
</tr>
<tr>
<td>Credit Value</td>
<td>3</td>
</tr>
<tr>
<td>Level</td>
<td>5</td>
</tr>
<tr>
<td>Pre-requisite / Co-requisite / Exclusion</td>
<td>Nil</td>
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## Objectives

1. To provide an update of current knowledge in vision rehabilitation
2. To introduce specific knowledge on interdisciplinary management for specific populations
3. To prepare optometrists for providing comprehensive vision rehabilitation service for clients with visual impairment

## Intended Learning Outcomes

Upon completion of the subject, students will be able to:

a. critically analyze the visual and functional problems faced by low vision patients
b. understand the impact of different types of brain injuries and the corresponding functional impairments
c. perform specific assessments and interventions for the visually disabled
d. describe the importance of ergonomics and modification of living environment for visual enhancement
e. understand the communication systems adopted by visually impaired patients
f. describe the co-management strategy with other rehabilitation professionals in vision rehabilitation
g. critique the health-care and social policy for the visually disabled

## Subject Synopsis / Indicative Syllabus

**General vision rehabilitation**
- Review on visual impairment and functional implications
- Vision rehabilitation and clinical management of low vision patients
- Ergonomics and living environmental modification for low vision population
- Interdisciplinary approach to provide vision rehabilitation service
- Psychological and social dynamics of visual impairment
- Health-care and social policy for the visually disabled

**Neuro-optometric rehabilitation**
- Overview of the anatomy of the brain and nervous system
- Types of brain injuries and the corresponding functional impacts
- Vision problems from stroke and other brain injuries
- Cortical or cerebral visual impairment in children
- Evaluation and management strategies of pediatric patients with visual impairment
Appendix I

Teaching / Learning Methodology

**Lectures/Seminars** will be used to provide factual information, to introduce and explore key issues of main topics in various aspects of vision rehabilitation (e.g. neurological & paediatric). They will be the primary forum for staff to encourage critical thinking using cases, examples and evidence from the literature and research articles, also for students and staff to explore ideas.

**Tutorials** will be the main platform for students to play an active role in their learning by raising questions to clarify and expand what they learn from lectures.

**Practical sessions** will give students the opportunity some hands-on experience to provide appropriate various types of low vision devices and technology, formulate or design appropriate vision rehabilitation intervention.

<table>
<thead>
<tr>
<th>Assessment Methods in Alignment with Intended Learning Outcomes</th>
<th>Specific assessment methods/tasks</th>
<th>% weighting</th>
<th>Intended subject learning outcomes to be assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td>a-e</td>
</tr>
<tr>
<td>1. Presentations</td>
<td>40</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>2. Tests</td>
<td>30</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>3. Laboratories/Practical work</td>
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<td></td>
<td>✓</td>
</tr>
<tr>
<td>4. Reflective writing</td>
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<td>✓</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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**Presentations**
They are essential to develop students’ analytical ability, verbal communication skills and ability to work as a team.

**Tests**
Several written tests will be arranged during the course to examine students’ knowledge on various topics individually. This can help students build up their knowledge gradually.

**Practical**
This is to evaluate the competence of students in using and prescribing various low vision devices.

**Reflective writing**
This exercise allows the students reflecting on what they have learned and how they integrate material from different topics.
### Appendix I

<table>
<thead>
<tr>
<th>Student Study Effort Expected</th>
<th>Class contact:</th>
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<tbody>
<tr>
<td></td>
<td>Lectures</td>
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<td>Seminars</td>
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<tr>
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<td>Tutorials</td>
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<tr>
<td></td>
<td>Laboratories/Practical work</td>
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Other student study effort:
- Self study: 67 Hrs.

**Total student study effort**: 109 Hrs.

### Reading List and References

#### Prescribed Reading

#### Recommended Reading
<table>
<thead>
<tr>
<th>Appendix I</th>
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